AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

- 1 23. (Cancelled)
- 24. (Currently Amended) A moldable resin for use in a molding process to form a molded part at least partially therefrom, the moldable resin comprising:
 - a base resin;
 - a plurality of shape memory alloy (SMA) particles interspersed in said base resin while in their austenitic state; and
 - wherein said SMA particles are suspended in said base resin and serve to enhance a specific property of said base resin.
- 25. (Currently Amended) The moldable resin of claim 24, wherein said SMA particles comprise NITINOL®—nickel-titanium alloy particles.
- 26. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles are less than about 1% of a total volume of said resin.
- 27. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise between about 1% and 50% by volume of said resin.
- 28. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise at least about 50% by volume of said resin.
 - 29. 30. (Cancelled)
- 31. (Currently Amended) The moldable resin of claim 24, wherein said SMA particles <u>further comprise a mixture of SMA particles in a martensitic phase and austenitic phases</u>.

- 32. (Previously Presented) The moldable resin of claim 24, wherein said base resin comprises a thermoplastic resin.
- 33. (Previously Presented) The moldable resin of claim 24, wherein said base resin comprises a thermosetting resin.
- 34. (Previously Presented) The moldable resin of claim 24, wherein said resin is suitable for use in injection molding and compression molding processes.
- 35. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles are formed in at least one of the group of shapes comprising: spherical, cylindrical and oval.
- 36. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise granules intermixed within said base resin.
- 37. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise a size of between about 0.005 micron to about 50 micron.
- 38. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise a size of at least about 50 microns.
- 39. (Previously Presented) The moldable resin of claim 24, wherein said SMA particles comprise a size of no more than about 0.005 micron.
- 40. (Currently Amended) A moldable resin for use in an injection molding process to make an injection molded part, the moldable resin comprising:

a base resin comprised of one of a thermoplastic or thermosetting plastic resin; and a plurality of shape memory alloy (SMA) particles added to the base resin while in their austenitic state to enhance a property of said base resin.

41. – 42. (Cancelled)

43. (Currently Amended) The moldable resin of claim 40, wherein said SMA particles comprise NITINOL®—nickel-titanium alloy particles.

- 44. (Previously Presented) The moldable resin of claim 40, wherein said SMA particles comprise less than about 1.0% by volume of said resin.
- 45. (Previously Presented) The moldable resin of claim 40, wherein said SMA particles comprise between about 1.0% to about 50% by volume of said resin.
- 46. (Currently Amended) A moldable resin for use in a compression molding process to make a compression molded part, the moldable resin comprising:
- a base resin comprised of one of a thermoplastic or thermosetting plastic resin; and a plurality of shape memory alloy (SMA) particles added to the base resin while in their austenitic state to enhance a property of said base resin without affecting a moldability of said base resin.
- 47. (Currently Amended) The moldable resin of claim 46, wherein said SMA particles comprise NITINOL® <u>nickel-titanium</u> alloy particles.

48. - 49. (Cancelled)

- 50. (Previously Presented) The moldable resin of claim 46, wherein said SMA particles comprise a shape in accordance with one of the group of shapes comprising: oval, spherical and cylindrical.
- 51. (Previously Presented) The moldable resin of claim 46, wherein said SMA particles comprise granules added to said base resin.